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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/790,820	03/03/2004	Fumisada Maeda	249684US6	1498

22850 7590 07/20/2007

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EXAMINER	
NGUYEN, LINH THI	
ART UNIT	**PAPER NUMBER**
2627	

NOTIFICATION DATE	DELIVERY MODE
07/20/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.	Applicant(s)	
	10/790,820	MAEDA ET AL.	
	Examiner	Art Unit	
	Linh T. Nguyen	2627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *24 April 2007*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,3-5,7-9 and 11-15* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,3-5,7-9 and 11-15* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3-5, 7-9, and 11-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Murakami et al (Paten Number 5881033).

In regards to claims 1, 5 and 9, Murakami et al discloses a lens drive apparatus, comprising a movable section (Fig. 1, element 1) including a plurality of either drive coils or magnetic field means for moving a mounted lens to in an optical axis direction (Fig. 1, elements 6a-b and 105) and a moving direction orthogonal (Y-axis) to said optical axis direction (x-direction; direction of the tracking); and a fixed section configured to support said movable section (Fig. 1, element 8) and said fixed section including said plurality of magnetic field means if the movable section includes said drive coils or said fixed section including the plurality of drive coils if the movable section includes said magnetic field means (Fig. 1, elements 105), wherein: an x-coordinate value of a center of gravity G (Fig. 2, G) and an x-coordinate (y-coordinate) value of a driving center Df do not accord with each other (Fig. 2, the opposite side of element Ffo), a z-axis is set to pass through the center of gravity of the movable section in a direction parallel to the optical axis (Fig. 2), a y-axis (x-axis) is set in a moving direction of the lens, an x-axis is set in a direction orthogonal to the z-axis and the y-axis (Fig. 2), the center of gravity of said

movable section is G (Fig. 2, G), a driving center of the movable section in the z-axis direction is Df (Fig. 2, opposite side of element Ffo), a z-coordinate value of the center of gravity G (Fig. 2) and a z-coordinate value of a driving center Dt (Fig. 2, element Ffo) are approximately equal (Fig. 2), and a driving center of said movable section in the y-axis direction is defined as Dt (Column 14, lines 8-15).

In regards to claims 3, 7 and 11, Murakami et al discloses the lens drive apparatus as cited in claim 1, wherein: a principal point of said lens (Fig. 2, P) and the center of gravity G of said movable section approximately accord with each other (Fig. 2).

In regards to claims 4 and 8, Murakami et al discloses the lens drive apparatus as cited in claim 1, wherein: said plurality of drive coils includes drive coils for the lens in the optical axis direction (Fig. 1, element 3) and drive coils for the lens in the moving direction (Fig. 1, element 4); and respective said magnetic field means provided to each of said drive coils for the lens in the optical axis direction and drive coils for the lens in the moving direction are arranged across said lens in the x-axis direction (Fig. 1 and 2).

In regards to claim 12, Murakami et al discloses the optical disk drive apparatus as cited in claim 9, wherein: said focus coil and tracking coil (Fig. 1, elements 3 and 4), and said focus magnetic field means and said tracking magnetic field means (Fig. 1,

element 105) provided for said focus coil and said tracking are arranged across said objective lens (Fig.6, element 3 and 4).

In regards to claims 13 and 14, Murakami et al discloses the lens drive apparatus as cited in claim 1, wherein the plurality of either drive cells or magnetic field means includes a first drive coil or a first magnetic filed means and a second drive coil or a second magnetic field means, the first drive coil or the first magnetic field means located only on a first side of the movable section, and the second drive coil or the second magnetic field means located only on a second side of the movable section, the second side being opposite the first side (Fig. 1 and 2, element 3 is on both side of the movable section with a magnetic field means 105).

In regards to claim 15, Murakami et al discloses the optical disk drive apparatus as cited in claim 9, wherein the focus coil or the focus magnetic field means is located only on a first side of the movable section, and the tracking coil or the tracking magnetic field means is located only on a second side of the movable section, the second side being opposite the first side (Fig. 6).

Response to Arguments

Applicant's arguments, see page 8, lines 22-26, filed 4/24/07, with respect to the rejection(s) of claim(s) 1 under Ito have been fully considered and are persuasive.

Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Murakami et al.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linh T. Nguyen whose telephone number is 571-272-5513. The examiner can normally be reached on 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on 571-272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LN
July 6, 2007

THANG V. TRAN
PRIMARY EXAMINER